

L-1 MICROCOMPRESSOR

partlist

name	value	Quantity	comment
capacitors			
C18	220uF	1	electrolytic
C1	100uF	1	electrolytic
C2	47uF	1	electrolytic
C10, C11	22uF	2	electrolytic
C8	4.7uF	1	electrolytic
C21	22uF	1	tantalum
C22	4.7uF	1	tantalum
C23	10uF	1	tantalum
C4, C17, C19	100n	3	film
C5	2n2	1	film
C6	470n	1	film
C16	47n	1	film
C20	10n	1	film
C3	47p	1	ceramic
C7	22p	1	ceramic
C9, C12, C13, C14, C15	0.1 uF	5	1206 SMD ceramic
diodes			
D1, D2, D3, D4, D5, D6, D7	1N4148	7	
D8, D9	1N4004	2	1N400*
D10, D11	green LED	2	3 mm
J8	LED (any color)	1	Panel – compression indicator
transistors			
T1, T3, T6	2N3906	3	
T2, T4, T5	2N3904	3	
T7	2SK170	1	
IC's			
IC1	THAT4301	1	20-pin
IC2	TL074	1	14-pin
IC3	LM393	1	8-pin
resistors 1% metal film			
R31, R32	Bead or 10R	2	
R6 R27	51R	2	
R41, R38	100R	2	
R10	150R	1	
R20	510R	1	
R18	1K4	1	
R46. R37	3K	2	
R22, R29	5K1	2	
R23 R24 R48	10K	3	
R28	12K7	1	
R17	15K	1	
R1 R3	20K	2	
R13 R16 R25 R30 R39 R45 R47	30K	7	
R49	100K	1	
R21	127K	1	

R35 R36	200K	2	
R14	220K	1	
R5	300K	1	
R15	390K	1	
R8	590K	1	
R26	1M8	1	
R9 R11 R40	2M	3	
R42	8M2	1	
R19	10M	1	
R7, R12 or R33, R34	5K or 4K99	2	0805 SMD 3300ppm or regular through-hole
R44	52K3	1	Install only on slave device in stereo pair
R2	28K7	1	For master or mono device
	60K4	1	For slave device in stereo pair
trimpots			
R43	22K	1	Install only on slave device in stereo pair, 0 dB trimming
R4	50K (or 47K)	1	Distortion symmetry trimming
R50	50K (or 47K)	1	Compression indicator trimming
pots			
VR1	50K lin	1	Release
VR2	10K lin	1	Attack
VR6	50K lin	1	Threshold
VR7	10K lin	1	Ratio
VR8	50K lin	1	Makeup gain
switches			
SW1	4P3T Lorlin type	1	RMS/AUTO/PEAK
SW2	3PDT	1	Hard/soft knee
SW3	DPDT	1	Auto/variable attack & release
J12 J13	DPDT	1	Master/slave
	DPDT	1	Bypass/on
jacks			
jack		10	

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